

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Delphion

RESEARCH

INTEGRATED IAM

SERVICES

INSIDE DELPHION

Log Out | Work Files | Saved Searches

My Account | Products | News | Events

Search: Quick/Number Boolean Advanced

## The Delphion Integrated View

Buy Now:  PDF | [More choices...](#)Tools: Add to Work File: [Create new Work File](#)View: [INPADOC](#) | Jump to: [Top](#) Go to: [Derwent...](#) [Email this](#)

Title: **JP7187748A2: HYDRAULIC CEMENT MORTAR-BASED ARTIFICIAL WOOD**

Country: **JP Japan**

Kind: **A**

Inventor: **KAMIO TSUKASA;  
KIMURA KUNIO;  
YAMAUCHI HIROSHI;  
INADA YOSHIAKI;  
TAKEDA HIDEYUKI;  
KAWAMURA KOICHI;**

Assignee: **AGENCY OF IND SCIENCE & TECHNOLOGY  
SUMITOMO SEIKA CHEM CO LTD**  
[News, Profiles, Stocks and More about this company](#)

Published / Filed: **July 25, 1995 / Dec. 27, 1993**

Application Number: **JP1993000333740**

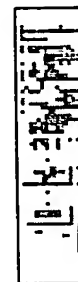
IPC Code: **[C04B 28/02](#); [C04B 18/24](#); [E04C 2/04](#); [C04B 28/02](#);  
[C04B 103/46](#); [C04B 111/30](#);**

ECLA Code: **C04B28/02;**

Priority Number: **Dec. 27, 1993 JP1993000333740**

Abstract: **Purpose:** To obtain the subject artificial wood excellent in processability and humidity conditioning functions by blending cement with respective specific amounts of chaff powder, a water-soluble polymeric compound, an inorganic lightweight aggregate and a fibrous reinforcing material, regulating the moisture content,

BEST AVAILABLE COPY



THIS PAGE IS BLANK

carrying out the extrusion molding and hardening the resultant molding.

**Constitution:** This hydraulic cement mortar-based artificial wood is obtained by blending (A) 100 pts.wt. cement with (B) 15-300 pts.wt. chaff powder, (C) 0.3-10 pts.wt. water-soluble polymeric compound (e.g. methyl cellulose), (D) 10-200wt. inorganic lightweight aggregate (e.g. pumiceous sand balloon and (E) 0.5-20 pts.wt. fibrous reinforcing material (e.g. glass fiber), regulating the moisture content to 30-50wt.%, then carrying out the extrusion molding of the prepared composition into a desired shape and subsequently hardening the resultant molding. The obtained artificial wood is excellent in nailability, wood screw holding power, sawing properties, etc., and can suitably be used as a wood substitute in the field of building materials consisting essentially of an outer wall material.  
COPYRIGHT: (C)1995,JPO

Family: [Show 11 known family members](#)

Other: CHEMABS 123(22)294935D CAN123(22)294935D  
Abstract Info: DERABS C95-290095 DERC95-290095



[Nominate](#)

[this for the Gallery...](#)



07

(19)

(11) Publication number:

Generated Document.

## PATENT ABSTRACTS OF JAPAN

(21) Application number: **05333740**(51) Intl. Cl.: **C04B 28/02 C04B  
E04C 2/04**(22) Application date: **27.12.93**

(30) Priority:

(43) Date of  
application **25.07.95**  
publication:(84) Designated  
contracting states:(71) Applicant: **AGENCY OF I  
SCIENCE & T.****SUMITOMO S  
CHEM CO LT.**(72) Inventor: **KAMIO TSUKA  
KIMURA KUNI  
YAMAUCHI HI  
INADA YOSHI/  
TAKEDA HIDE  
KAWAMURA K**

(74) Representative:

(54) **HYDRAULIC  
CEMENT MORTAR-  
BASED ARTIFICIAL  
WOOD**

(57) Abstract:

PURPOSE: To obtain the  
subject artificial wood  
excellent in processability  
and humidity conditioning  
functions by blending

cement with respective specific amounts of chaff powder, a water-soluble polymeric compound, an inorganic lightweight aggregate and a fibrous reinforcing material, regulating the moisture content, carrying out the extrusion molding and hardening the resultant molding.

CONSTITUTION: This hydraulic cement mortar-based artificial wood is obtained by blending (A) 100 pts.wt. cement with (B) 15-300 pts.wt. chaff powder, (C) 0.3-10 pts.wt. water-soluble polymeric compound (e.g. methyl cellulose), (D) 10-200wt. inorganic lightweight aggregate (e.g. pumiceous sand balloon and (E) 0.5-20 pts.wt. fibrous reinforcing material (e.g. glass fiber), regulating the moisture content to 30-50wt.%, then carrying out the extrusion molding of the prepared composition into a desired shape and subsequently hardening the resultant molding. The obtained artificial wood is excellent in nailability, wood screw holding power, sawing

properties, etc., and can suitably be used as a wood substitute in the field of building materials consisting essentially of an outer wall material.

COPYRIGHT: (C)1995,JPO